

ABSTRACT OF THE DISCLOSURE

Methods, compositions and systems for processing biological samples include separation reagents featuring a microparticle and a receptor for a ligand on a target species in the biological sample. The biological sample is reacted with the separation reagent to capture the target species. A covalent bond is formed between the target species and the separation reagent to form an adduct. The adduct is separated from the biological sample, and a component of the target species is separated from the target species.

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